

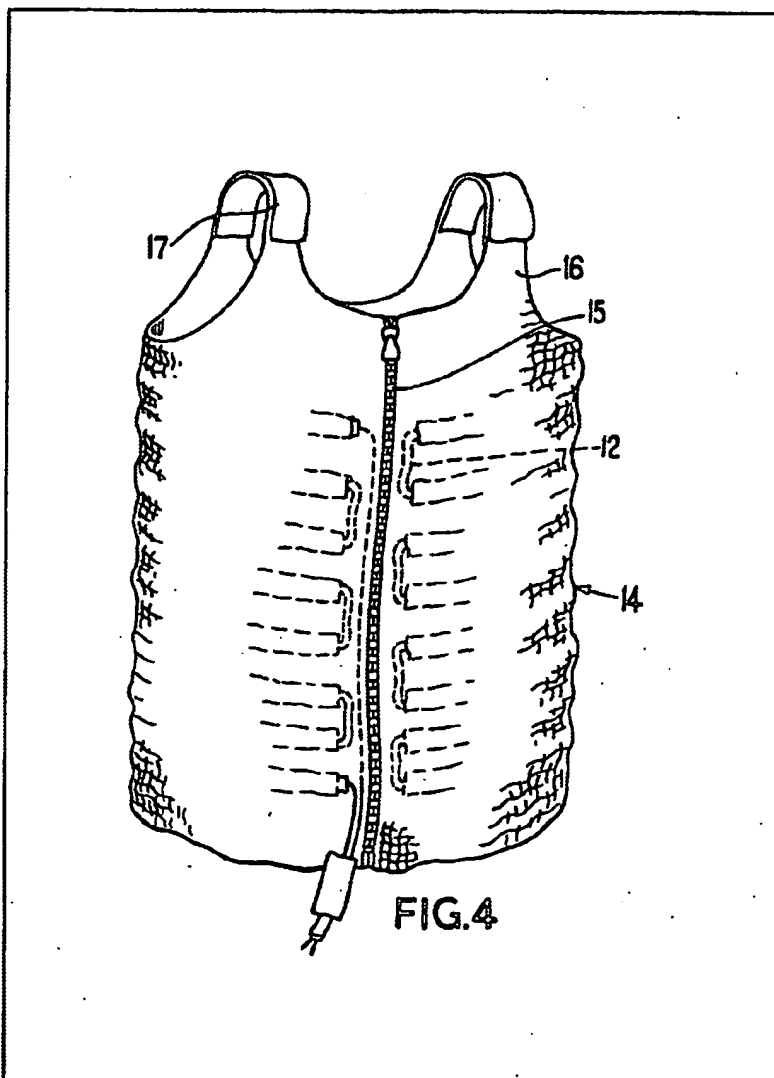
- (21) Application No 8306356
(22) Date of filing 14 Mar 1983
(30) Priority data
(31) 8207533
(32) 15 Mar 1982
(33) United Kingdom (GB)
(43) Application published
28 Sep 1983
(51) INT CL³
A61B 5/08
(52) Domestic classification
G1N 1982F 19D10
18D12F0 19X5 19X8 30P5
3QR ENR
(56) Documents cited
GB 1596288
(58) Field of search
G1N
(71) Applicants
The Secretary of State for
Scotland,
(Great Britain),
St Andrews House,
Edinburgh EH1 3DE.
(72) Inventors
Christopher Douglas
Hanning,
Harry William Leigh,
Howard Cameron Smith.
(74) Agent and/or Address for
Service
W.J. Gunning,
Procurement Executive,
Ministry of Defence,
Patents 1A(4),
Room 2014 20th Floor,
Empress State Buildings,
Lillie Road,
London SW6 1TR.

(54) Respiration monitor

(57) Apparatus for monitoring the respiration of subjects, particularly hospital patients or infants, includes an inductive coil of insulated wire mounted on elasticated tape 12, the tape being sewn or threaded in channels 13 on a garment 14 as a single length in alternating rows, arranged so that in use the coil comprises a plurality of turns encircling the body, each turn being wound in the opposite sense to

the preceding turn, and the garment may be opened completely without breaking any electrical connections. The coil may form an inductive element in a variable frequency oscillator, frequency changes in which can be processed electronically to provide continuous information of the respiratory parameters. In an embodiment particularly suitable for use with infants, the coil may form a radiative element in a

(57) continued overleaf...



GB 2 116 725 A